## **Claims**

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 A method for providing antimicrobial properties to a composite item, comprising: immersing a composite item in an aqueous bath comprising an organic antimicrobial agent;

separating the immersed composite item from the bath; and drying the separated composite item,

wherein the composite item is a member selected from the group consisting of composite yarns, composite fabrics and composite articles.

- 2. The method of claim 1, further comprising the step of reusing the bath in a further immersing step on a different composite item.
  - 3. The method of claim 1, wherein said composite item is a composite yarn.
  - 4. The method of claim 1, wherein said composite item is a composite fabric.
  - 5. The method of claim 1, wherein said composite item is a composite article.
- 6. The method of claim 5, wherein said composite article is a member selected from the group consisting of gloves, aprons, socks, filters, shirts, pants, undergarments, and one-piece jumpsuits.
  - 7. The method of claim 3, wherein said process is a continuous process.
- 8. The method of claim 3, wherein said process is a batch process and said composite yarn is in a form of composite yarn wound on a bobbin.
  - 9. The method of claim 4, wherein said process is a continuous process.
- 10. The method of claim 4, wherein said process is a batch process and said composite fabric is in a form of composite fabric wound on a roll.

- 11. The method of claim 1, wherein said organic antimicrobial agent is present in said bath in an amount of from 0.1-2 % by weight of the total bath.
- 12. The method of claim 1, wherein said organic antimicrobial agent is a silicone based quaternary ammonium salt.
  - 13. The method of claim 12, wherein said silicone based quaternary ammonium salt is a copolymer of a long chain ( $C_{12}$ - $C_{20}$ ) alkyldimethylaminotrihydroxysilylpropyl ammonium halide and a chloroalkyltrihydroxysilane.

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14. The method of claim 12, wherein said silicone based quaternary ammonium salt is a copolymer of octadecylaminodimethyltrihydroxysilylpropyl ammonium chloride and chloropropyltrihydroxysilane.

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- 15. The method of claim 5, wherein said immersing step is performed in a household clothes washer and said drying step is performed in a household clothes dryer.
- 16. The method of claim 1, wherein said drying step is performed at a temperature of from 50-100°C.

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- 17. The method of claim 1, wherein said drying step is performed at a temperature of from 70-90°C.
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- 18. A composite item selected from the group consisting of composite yarns, composite fabrics and composite articles, having antimicrobial properties and prepared by the method of claim 1.